## **CUMULATIVE INDEX: VOLUME 9**

## SUBJECT INDEX

Abdominal circumference, ultrasonic measurement, intra- and interobserver variation, 385-387 Abdominal cord insertion, and transvaginal sonography, 344 Abdominal cystic hygoma, 128 Acidosis, fetal, 383 findings in, 351 as risk factor for severely SGA fetuses, 137 Acquired immunodeficiency syndrome (AIDS), attitudes toward neonates at risk for, 514 Alpha-fetoprotein (AFP), 127 and hypertension, 319-321 Amniocentesis

in diagnosing congenital chloride diarrhea, 400 fetal response to, 381–383

Amnioinfusion defined, 51 and recurring bilateral renal

and recurring bilateral renal agenesis, 49–51 Amniotic fluid assessment, 315–317

bacterial growth in effects of pH and osmolality on, 69-73

evaluating, 70 preparation of fluid samples, 70 biomarkers, for prenatal diagnosis of

neural tube defects, 411 effect of gestational age on levels of

volatile and non-volatile organic acids in, 452–453 evaluation of effects of freezing and lyophilization on, 70

Amniotic fluid index, correlation with amniotic fluid volume, 315–317

Amniotic fluid volume, and amniotic fluid index, 315–317 Amyl nitrite, as muscle relaxant in

preterm cesarean section, 289–292 Angiotensia II, effect of magnesium sulfate on vascular action of, 477–480

Antenatal detection and choice of delivery place of severely SGA fetuses, significance of, 135–138

Anticardiolipin antibodies and neonatal thrombosis, 409–410 obstetric performance in patients with, 146–151

See also Antiphospholipid antibodies Antigen capture enzyme-linked immunosorbent assay, 449

Antihypertensive therapy, 464 Antiphospholipid antibodies, 146–151, 409

clinical complications related to therapy, 149

indications for testing, 147
Aortic root measurements, 38–40
Aplasia cutis congenita, elevated
ammiotic fluid alpha-fetoprotein,
and positive acetylcholinesterase

band, case report, 411–412 Apnea in premature infants, 374 caffeine in treatment of, 431

Arginine vasopressin (AVP), renal physiologic response to, 329 Arterial oxygen saturation, adequate, in native but not newcomer

in native but not newcomer newborns at high altitudes, 512– 513

Asphyxia, fetal, detecting, 350 Atrial natriuretic factor blood sampling, 276

defined, 275

during pregnancy and postpartum period, 275–278 peptide assay, 276

Atypical cervical cytology, significance of in pregnancy, 340–343 Azathioprine, 54

Bacteria growth in amniotic fluid, effects of pH and osmolality on, 69-73

Bactigen, 304–305 Bayes theorem, 388 advantages of, 389

Behavioral states

definitions of, 215 fetal heart rate pattern, 117–118 head and limb movements, 116 identification of, 116 quantifying characteristics of, 115–119

slow and rapid eye movements, 117 trunk and breathing movements, 117 Betamethasone, effect on

hypothalamic-pituitary-adrenal

axis in premature neonates, 428-430

Betamimetics, 396 Bilateral renal agenesis

defined, 49 recurring, diagnosis by ultrasound

with amnioinfusion at 18 weeks gestation, 49–51 Bilirubin, transcutaneous measurement

of, 499 Biotinidase deficiency and neonatal neurologic symptoms in infant

neurologic symptoms in infant born to biochemically unaffected parents, 498–499

Biparietal diameter, ultrasonic measurement, intra- and interobserver variation, 385–387 Birth certificate, reliability of, 219–222

Birth trauma in insulin-dependent diabetic pregnancies, 205–208

pregnancies, 205–208 by mode of delivery, 207

Birthweight, newborn easy and accurate estimation for resuscitation, 371–373

errors in assessing, 372 and length, relationship of, and occipitofrontal circumference, 372

Blood gases

analysis in neonatal intensive care

effects of liquid and dry heparin on, 159–161

Blood loss at elective repeat cesarean section, effect of type of anesthesia on, 197–200

Bottle feeding demographic and attitudinal factors

influencing, 420–423 sucking pattern of neonates during, 265–269

Bovine surfactant, follow-up of infants with multiple doses of, 503

Brachial plexus injury, 205
Brainstem dysfunction, and
chromosomal abnormalities,
299–301

Breast feeding, demographic and attitudinal factors influencing, 420–423 Caffeine absorption in premature infants, developmental aspects, 431-433

Captopril, effectiveness in renovascular hypertension, 254-257

Carbon dioxide, use of to stimulate tidal volume, 322

Cardiac rhabdomyoma, 111-114 Cardiopulmonary resuscitation in very low birthweight infants, 130-133

Carotid artery stenosis after extracorporeal membrane oxygenation repair, 513

Catheterization for selective embolization in obstetric hemorrhage, 441-444 procedure characteristics, 442 subject characteristics, 442

Cecostomy, 103 Celiotomy, exploratory, 103 Central nervous system (CNS)

abnormalities, and small for gestational age infants, 152-153

Central venous catheters in care of very low birthweight newborns, 154-158

complications of, 154, 261, 262-263 percutaneous silastic, use of in neonates, and management of infectious complications, 261-

264 vein perforation at time of insertion, 157

Cephalohematoma, 205 Cerclages

emergency, 142-145 defined, 142 membranes bulging into vaginal

vault and, 143 most commonly used types of, 481 Cerebral circulation in ovine fetuses, nicotine-induced changes in,

270 - 273Cervical incompetence

diagnosis of, 481 due to defective connective tissue in **Ehlers-Danlos syndrome** diagnosis and management of, 26 treatment with Smith-Hodge pessary, 25-26

surgical treatment of, 481-483 Cervical intraepithelial neoplasia (CIN), 340

Cervical teratoma, immature, ultrasound diagnosis of, 445-446

Cesarean section blood loss associated with, 197-200 difficult preterm, amyl nitrate as

muscle relaxant in, 289-292 indications for and perinatal sepsis, 30 in small for gestational age fetuses,

136 low transverse, 80-81 versus classic, 290

prior low transverse, and prostaglandin E2 gel induction, 80 - 83

and vertex-presenting fetus in prematurity, 162-163 Chemotaxis, enhancement of, 5-8

Chickenpox, 236 Chinese neonatology, status of in 1983, 401-402

518 Chlamydia trachomatis, 338

positive cervical cultures in premature rupture of membranes, 368-370

Chloroprocaine versus lidocaine, in dorsal penile nerve block during circumcision, 214-217

Cholinephosphate cytidylyltransferase, hormonal stimulation of, 512

Chorioamnionitis, 11, 354, 369 diagnosis of, 13

following premature rupture of membranes, 453

occurrence of with penicillin prophylaxis, 13

and perinatal sepsis, 30, 32 preterm birth and, 43

Chromosome deletion, 299-301 Chronic villitis, 183, 190

Circumcision, neonatal stress during, 214-217

Cocaine

effects of, on isolated, pressurized cerebral arteries, 502 intracranial hemorrhage and, 501-502 prenatal exposure to, effect on developmental outcome of fetus,

Colon cancers, karyotypic analyses of, 107

Colonoscopy, 103 Colorectal carcinoma

chemotherapy for, 107-108

management during pregnancy, 107 pregnancy complicated by, 102-108 Colposcopy, 340

Computed tomography (CT), in sinus thrombosis, 201–204

Congenital alkalosis with diarrhea, 399 Congenital anomalies

as leading cause of infant mortality in developing countries, 219 reporting of on birth certificates,

219-222 types of, 335

Congenital chloride diarrhea, 398-400 characteristics, 399 pathophysiology, 399 prenatal diagnosis of, 400

Congenital pulmonary hypoplasia, defined, 334

Conventional mechanical ventilator, and meconium aspiration syndrome, 500

Convulsions, in eclampsia, 195 Cortisol, effect on hypothalamicpituitary-adrenal axis, 429 C-reactive protein (CRP), 186, 188

Creatine kinase and its isoenzymes as marker of uterine activity, 456-

Cry duration, in dorsal penile nerve blocking, 215

measurement of, 216 Cryotherapy, respiratory complications associated with, 296-298 Cystic adenomatoid malformation, 223

Cystic fibrosis, neonatal screening for, 503 Cysts, degenerated, 175-177

Cytology, atypical, in pregnancy, 340–343

Decidual vasculopathy, 183 11-Deoxycortisol, effect on hypothalamic-pituitary-adrenal axis, 429

Diabetes mellitus in pregnancy, and periconceptional genetic counseling, 87-92

Diabetes, types of, 87-88

Diabetic gravidas categorization, 425

group B streptococcal colonization in, 425-427

Diabetic patients

distribution of infant birthweights in, 486

incidence of intrapartum fetal distress, 487

occurrence of macrosomic infants in,

preterm delivery for, 484–488 Diaphragmatic hernia, 223

Digitalis, and transplacental conversion of fetus, 303

Digoxin, and supraventricular

tachycardia conversion, 302-303 Directigen, 304-305

Disseminated intravascular coagulation (DIC), 379

DNA hybridization, 61

Dominant twin in utero, 460-463 Doppler blood flow velocity analysis,

fetoplacental and uteroplacental, in premature rupture of membranes, 353-355

Doppler color flow imaging, superior sagittal sinus, 201-204

Doppler flow velocity waveforms, uteroplacental, in normal pregnancy, 94-100

Doppler velocimetry of umbilical artery, for nonimmune hydrops caused by fetomaternal hemorrhage, 22-23

Dorsal penile nerve block in neonatal circumcision, 214-217 tissue oxygenation, 216

Down syndrome, and pulmonary hypoplasia, 9-10

Eclampsia, late postpartum, at 20 weeks gestation, 194-195

Edema of pregnancy, effect of daily immersion on, 225-226 Ehlers-Danlos syndrome (EDS)

defective connective tissue in, 25-26 defined, 25

Electronic fetal heart rate monitoring (EFM), 28

Employment, and uterine contraction frequency, 490

Enalapril, in treatment of neonatal renovascular hypertension, 254-

Endogenous glucose production and proteolysis in extremely low birthweight infants, 511–512

Endovaginal ultrasound, 209 Energy expenditure in infants with cyanotic congenital heart disease, 497

Epidermolysis bullosa dystrophica, Hallopeau-Siemens type of, 412

absorption after endotracheal administration, 505-506 and splenic volume, 367

and vasodilators, hemodynamic effects during group B stretococcal sepsis in piglets, 435-440

Equate, 304-305 Erb's palsy, 487

Erythropoietin, quantitation in pregnancy, using enzyme-linked immunoassay, 233–235

Escherichia coli in amniotic fluid, growth of controlling, 69–73

evaluating, in standard medium, 70 Ethacrynic acid, relaxing effects of on large airways of newborn guinea pigs, 505

Exosurf Neonatal, 415, 416

External vibratory acoustic stimulation, in fetus with Pena-Shokeir syndrome, absent fetal movement response with blunted cardioacceleratory response, 1–4

Extremely low birthweight infants (ELBW), 17

Facial nerve injury, 205
Fat emulsions, ten versus, 20
Fat-free mass and fat, extrauterine
accretion rates in very low birth
weight infants, 510

Feeding practice in an indigent population, 420–423 data collection, 421

method of analysis, 421
Fetal acid-base status, correlation of response of fetal heart rate to scalp stimulation and, 228–232

Fetal akinesia and hypokinesia sequence, 1–4

Fetal behavioral states. See Behavioral states

Fetal distress

lowest fetal weight for cesarean section for, 18-19

lowest gestational age for cesarean section for, 18

and preeclampsia, 254 Fetal ductal constriction, 186

Fetal ductal constriction, 186 Fetal electrocardiogram, as predictor of pregnancy outcome, 348–352

Fetal gender differences in preterm birth, 43–48 and maternal infection, 45–47

Fetal growth curves, sonographic, from an indigent population, 467–476

Fetal growth and placental pathology, and preterm delivery, 190–193 Fetal heart rate (FHR)

Fetal heart rate (FHR) accelerations, 1-4

as standard method of assessing fetal status, 348

and vibroacoustic stimulation, 228 Fetal heart, transvaginal ultrasound

measurement of, 38–41
Fetal intrathorax mass

differential diagnosis of, 224 diminution in size of, and aggressive in utero management, 223–224

Fetal lung maturation, comparison of in preterm singleton and twin pregnancies, 326–327

Fetal monitoring in perinatal sepsis, 28–32

Fetal rhabdomyoma, 111–114
Fetal risk-scoring system, evaluation of, 388–393

Fetomaternal hemorrhage, as cause of nonimmune hydrops, 22–24

Fetus

severely preterm, intrapartum management of, 17-20 vertex-presenting, 162-163

Fetus papyraceous, and congenital skin defects, 412

Fibroids, indomethacin for, 185–189 Fresh frozen plasma (FFP), adult, effect of on neonatal, neutrophil motility, 5–8

Furosemide, relaxing effects of on large airways of newborn guinea pigs, 505

Fused eyelids in extremely premature infant, 84–86

as indication of nonviability, 84 multivariate analysis of survival and outcome, 84–86

Gas-liquid chromatography, in detecting intra-amniotic infection, 452–455

Gastroduodenostomy, 102 Gastrointestinal-genitourinary fistula, 398

Gastrotomy, 102

Genetic counseling of pregnant diabetic patients, 87–92

Gestational diabetes, 87 genetic counseling for patients with, 91–92

and pregestational diabetes, 487 Gestational diabetic patients, outcome of pregnancy in class A1 and A2, beyond 40 weeks gestation, 484–488

Glucagon, low-dose intravenous, and persistent neonatal hypoglycemia, 510

Glucocorticoids, effect on hypothalamic-pituitary-adrenal axis, 428

Group B streptococcal colonization comparison of rapid tests for detection of, 304–307 in diabetic gravidas, 425–427

Group B streptococcal sepsis, hemodynamic effects of combining epinephrine with nitroglycerin or nitroprusside, 435–440

Group B Streptococcus (GBS), 368, 369 as common cause of neonatal sepsis, 425

Group F streptococci, perinatal bacteremia due to, 338–339

Halogenated agents, during anesthesia for cesarean section, 197

Handicap, freedom from, discrepancy between estimated and actual rates, 511

Hearing loss, and chromosomal abnormalities, 299–301

Heat losses, regional, comparison of, 243–244

Hemangiomas, 127, 128

191

Hemolysis, elevated liver tests, low platelet count (HELLP) syndrome, 378, 379

persistent postpartum, treatment with plasmapheresis, 120–123 Hemorrhagic endovasculitis, 181, 183,

Heparin, dry and liquid, comparison of effects on neonatal arterial blood gases, 159–161

Hepatitis B virus (HBV) DNA-positive mothers, 61-64 prenatal transmission of to neonates born to hepatitis B virus DNApositive mothers, 61-64

Hepatitis B virus (HBV) DNA, establishment of positivity, 62 Hernia of midgut, ultrasonic detection of, 345–346

High frequency ventilation, and meconium aspiration syndrome,

Home apnea monitoring, for graduates of NICU, 495

Hospital discharge of term infants, 514-515

Human immunodeficiency virus (HIV), 247

Human immunodeficiency virus type 1 (HIV-1), seroprevalence of, 293– 295

Human parvovirus B19 infection, fetal survival after, 66–68

Hyaline membrane disease, 428 Hydrops fetalis

chromosomal trisomies as cause of, 9–10

nonimmunologic, and polyhydramnios, 9–10 supraventricular tachycardia as cause of, 302

Hydrothorax, right-sided, and central venous catheters in very low birthweight infants, 154–158

Hypercapnia, 374 Hypermagnesemia, 477

Hypertension alpha-fetoprotein and, 319-321 in neonate, 254

severe, in pregnancy, 464 Hyponatremia, and urinary arginine vasopressin excretion, 329–333

Hypothalamic-pituitary-adrenal axis, effect of betamethasone on, 428–430

Hypoxemia, fetal, 383

Idiopathic intrauterine growth retardation (IUGR) maternal characteristics associated with, 180

and non-IUGR, comparison of placental characteristics, 181

placental pathology of, at term, 179-184

Idiopathic thrombocytopenic purpura, in childhood, 450

 Immersion, daily, effect of on edema of pregnancy, 225–226
 Incompetent cervix. See Cervical

incompetence Incubators, air-heated, 239, 241

total heat loss in, 242 Indomethacin, for fibroids, 185–189

Infant mortality in San Diego, 497 Infant-warming devices, efficiency of, 239 Infasur, 415

Infasurf, 414 Infection

intrapartum and postpartum, 45 maternal genital, 45-46

Inherited surfactant protein B deficiency in congenital alveolar proteinosis, 512

Inspiratory timing in newborn infants, control of, 322–325

Insulin-dependent diabetes mellitus (IDDM), 87

genetic factors, 88-90 periconceptional genetic counseling of patients with, 90-91

Insulin-dependent diabetic mothers, birth trauma data on, 205-208

Interleukin-1 receptor antagonist, effect on hemodynamic manifestations of group B streptococcal sepsis, 507

Intra-amniotic infection, detection of by gas-liquid chromatography, 452-455

Intracranial hemorrhage, 448 risk of, after prenatal cocaine exposure in VLBW babies, 501-

Intracranial lesions, in small for gestational age infants, 153-154 Intrapartum fetal monitoring, lowest

gestational age, 18 Intrauterine contraceptive devices (IUDs), removal of retained, in pregnancy, 139-141

Intrauterine growth retardation (IUGR), 137

and preeclampsia, 258 Intravascular transfusion, as treatment for nonimmune hydrops caused by fetomaternal hemorrhage, 22 - 24

Intravenous gamma globulin, antenatal maternal infusions of, 448-450

Intraventricular hemorrhage (IVH), as complication in long distance perinatal transport, 75-78

Klippel-Trenaunay-Weber syndrome, 127, 128

Laparotomy, exploratory, 103, 398 Lecithin-cholesterol acyl transferase, role of, 509

Leiomyomas, cystic degeneration of, masquerading as postoperative abscess, 175-177

Leiomyoma uteri during pregnancy, indomethacin treatment for, 185-189

Lermoyez's sign, 203

Lidocaine, in dorsal penile nerve block, 216-217

Life-style, effect on uterine contraction frequency, 489-492 Light and neonatal eye, 501

Literature-based quality assurance program, and VLBW discharge

practices, 499 Loop diuretics, relaxing effects of on large airways of newborn guinea pigs, 505

Lower extremity anomalies, prenatal diagnosis of, 127-129

Low transverse cesarean section (LTCS), trial of labor after prior, 80-81

Lumbar punctures, and posthemorrhagic hydrocephalus, 508-509

Lupus anticoagulant and/or anticardiolipin antibodies combination therapy for, 147, 150 obstetric performance in patients with, 146-151

single-agent therapy for, 149 Lymphangioma, massive lower extremity, prenatal sonographic findings of, 127-129

Macrosomia fetal, 486, 487

in insulin-dependent diabetic mothers, 205

Magnesium sulfate, effect of on vascular actions of norepinephrine and angiotensin II, 477–480

Magnetic resonance imaging (MRI) in detection of intracranial venous thrombosis, 204

in pregnancy complicated with carcinoma of colon above rectum, 103

Maternal education and neonatal outcome, 496

Maternal-Fetal Medicine specialists interpretation of fetal monitoring in perinatal sepsis, 28-29

survey on high-risk pregnancies, 17-20 Maternal genital infection and gender, interaction of, 45-46

Maternal septicemia, occurrence of with penicillin prophylaxis, 13

Maternal serum alpha-fetoprotein (MS-AFP), 319-321

Maternal serum glucose levels, control of, 484

Mattress, heated, water-filled, 241-242 efficiency of, 245 total heat loss with, 242 treatment on, 245

Meconium aspiration in piglets, treatment with surfactant and surfactant lavage, 506-507

Meconium aspiration syndrome, 329 early management of, with various ventilation devices, 500

Meconium, comparison of mechanical suction techniques, 499-500 Medicaid

eligibility, 281

expanded coverage for low income women, potential effects of, 281-284

Metabolic acidemia with hypoxia, hemodynamic responses to epinephrine during resuscitation in lambs, 510-511

Milk temperature, effects of on feeding tolerance in preterm infants, 508 Mixed venous oxygenation in critically

ill neonates, 506 Monash Medical Centre (Australia), 10year experience in neonatal

intensive care for extremely preterm infants, 164-168 Myomas, 175-177

degenerated, effect of pregnancy on,

Necrotizing enterocolitis, 432 Neisseria gonorrhoeae, 338, 368, 369 Neonatal alloimmune

thrombocytopenia after maternal immunization with paternal mononuclear cells, 448-

bleeding problems in newborns, 450 Neonatal asphyxia, 329

Neonatal facility in China, 401-408 clinical care, 404-405 clinical facilities, 404

equipment and supplies, 404, 407 formal educational program, 405– 406

initial planning visit, 401-402

initial strategy, 402 laboratory and clinical services, 404 leadership and dependence on consultant expertise, 406-407 organization and leadership, 404

preliminary evaluation, 402-403 relative status of professional

subgroups, 407 sociocultural barriers, 407 staffing, 404

strategic changes, 403 use as referral center, 404 Neonatal hypoglycemia, persistent, alternate therapy for, 510

Neonatal intensive care unit (NICU) blood gas analysis in, 159 care and costs, 281-284

long distance transport to, 75 Neonatal neutrophil motility, with adult fresh frozen plasma, 5-8

Neonatal Nurse Practitioners, worth of, 496-497

Neonatal polymorphonuclear leukocyte number and function, effect of labor and delivery on, 285-288

Neonatal renovascular hypertension, treatment of with intravenous enalapril, 254-257

Neonatal Resuscitation Program, 405 Neonatal sepsis, group B streptococci as cause of, 304

Neonatal thrombosis with anticardiolipin antibody in baby and mother, 409-410

Neuroblastomas, 127, 128 Nicotine, fetal cerebral effects, 270-273

fetal circulation, Doppler ultrasound investigation of, 271

vascular resistance, evaluation of, 271 Nipple units, comparison of different, 265-269

Nonimmune hydrops caused by hemorrhage, 22-24 and fetal human parvovirus B19 infection, 66

Non-insulin-dependent diabetes mellitus (NIDDM), 87 general considerations, 88 periconceptional genetic counseling of patients with, 91

Noonan syndrome, 279

Norepinephrine, effect of magnesium sulfate on vascular action of, 477-480

Nosocomial infection in neutropenic low birth-weight infants of hypertensive mothers, 500-501

Nutrient intake, measurement of by deuterium dilution in premature infants, 509-510

Obstetric hemorrhage, treatment of by selective embolization, 441-444 Oral glucose tolerance test (OGTT), 425

Osmolality of amniotic fluid, effect on bacterial growth, 69-73

Papanicolaou smear, 340, 342 Passive immune thrombocytopenia, neonatal, 450 Paternal mononuclear cell

immunization, 450 PathoDx, 304-305

Peds system, 375 Pena-Shokeir syndrome, 1-4 defined, 1 Penicillin prophylaxis, effect on premature rupture of membranes, 11-15 Perinatal mortality rate placental abruption, 172 of small for gestational age infants, 135 Perinatal sepsis fetal monitoring in, 28-32 obstetric risk factors, 32 Perinatal septicemia, 338 Perinatal services in a metropolitan area, effective model for reorganization, 513-514 Perinatal transport, long distance, 75-78 complications, 75, 76-77 Phadebact, 304-305 pH of amniotic fluid, effect on bacterial growth, 69-73 Pheochromocytoma in pregnancy hemodynamics associated with diagnosis and treatment of, 464-467 laboratory evaluation for, 465 Phosphatidylglycerol (PG) in amniotic fluid, use of, as criterion for fetal lung maturation, 34-36 Physical activity, effect on uterine contraction frequency, 489-492 Placental abruption expectant management after sonographic diagnosis, 170-173 perinatal mortality rate, 172 Plasma alpha-fetoprotein, reduced values of at early second trimester, and hypertension, 319-321 Plasma C3a desarg, 286 Plasma lysozyme, 286 Plas:napheresis, and persistent postpartum Hellp syndrome, 120-122 Platelet count, preeclampsia effect on, 378-379 Pleural fluid analyses, 155 Polyhydramnios in twin gestation, reduction in middle cerebral artery pulsatility index after decompression of, 381-383 Polymerase chain reaction (PCR) in detecting DNA, 61-62 precautions against contaminations and false-positive results, 62 Polymorphonuclear leukocyte, 285-288 activation products, 286 counts, 286 motility, 286 Polymorphonuclear (PMN) motility, impairment in, 5-8 Postpartum endometritis, 369 occurrence of with penicillin prophylaxis, 13 preterm birth and, 43, 45 Postpartum Hellp syndrome, persistent, treatment with plasmapheresis, 120-122 Prednisone, as glucocorticoid, 54 Preeclampsia, 190 effect on platelet count, 378-379

patient characteristics, 358

severe

defined, 357

Pregnancy(ies) defined, 11 Prenatal care Preterm infants

Progressive atelectasis, 374 in preterm pregnancy, 26-32 weeks gestation, 357-359 Project HOPE, 401 twin pregnancies complicated with, Prostaglandin E2 gel induction 258-260 and prior low transverse cesarean Pregestational diabetes and gestational section, 80-83 diabetes, distinction between, safety and efficacy of, 80 Prostaglandins, periosteal reaction induced by, 279-280 atypical cervical cytology in, 340-343 Proteinuria, associated with and carcinoma of colon above pheochromocytoma, 466 rectum, 102-108 Pulmonary hypoplasia with polyhydramnios and hydrops fetalis, 9–10 diabetes mellitus in, 87-92 erythropoietin in, 233-235 glycemic control in, 207 prenatal ultrasonic prediction of, high-risk, survey of American 334-337 Pulmonary lobar sequestration, 223 Pulmonary vasodilation, oxygenobstetricians specializing in, 17-20 nicotine and, 270-273 in renal transplant recipients, 52-55 induced, and purine nucleotides, immunosuppressive medication 506 and, 54 Pulsatility index of middle cerebral serologic testing for HIV-1 in, 293artery, reduction after amniocentesis, 381-383 Pregnancy outcome, prediction of, by combined analysis of fetal Racial differences in fetal growth, 473 electrocardiogram and systolic Radiant warmers, 239 time intervals, 348-352 Renal transplantation, and pregnancy, Premature infant formula (PIF) 52 - 55following initial hospitalization, 502 Renovascular disease, as leading cause iron fortified, during initial of neonatal hypertension, 254 hospitalization, 504 Reservoir taps, and posthemorrhagic Premature labor and delivery, 17-20 hydrocephalus, 508-509 Premature rupture of membranes Respirator weaning of preterm infants, 374-377 (PROM), 190, 452 chorioamnioitis following, 453 Respiratory complications associated with cryotherapy in premature and delivery, time interval between, infants, 296-298 Respiratory control in preterm infants, Doppler blood flow velocity analysis 322-325 Respiratory distress syndrome (RDS), in, 353-355 effect of penicillin prophylaxis, 11-15 329 goal in management of patients with, commercial preparations for treatment of, 414 as major complication in twin effect of multiple doses of synthetic pregnancies, 326 surfactant on, 507 penicillin prophylaxis effects, 11-15 and penicillin prophylaxis, 13 preterm birth and, 43-48 and phosphatidylglycerol in amniotic and unfavorable cervix, management fluid, 34-36 of term patients with, 56-59 two rescue doses of synthetic surfactant, one year outcome, adequacy of, 282 adequate access to, and effect on Resuscitation, newborn, estimating racial differences in prematurity birthweight for, 371-373 Risk scores, obstetric, 388-393 and mortality, 495 and birth outcome, 309-310 cost effectiveness of, 281-284 Scalp stimulation, and fetal heart rate Prenatal influences on formula feeding, response, 228-232 420-421 Septic shock, in young children, 435 Preterm birth (PTB), fetal gender Serum erythropoietin in pregnancy, 233-235 differences in, 43-48 Short arm of chromosome 10, deletion Preterm delivery of, with severe hearing loss and correlations of fetal growth and placental pathology, 190-193 brainstem dysfunction, 299-301 for diabetic patients, 484-488 Shoulder dystocia, 486, 487 Sinus thrombosis, 201-204 effects of milk temperature on Skeletal neurogenic atrophy, 1 Small for gestational age (SGA) fetuses feeding tolerance in, 508 importance of detecting, 135-138 hospital survival rates for, 166-167 umbilical artery or uteroplacental velocimetry and, 250-253 survival prospects, 164-168 Small for gestational age (SGA) infants treatment decisions, 165 incidence of morbidity, 152 manometrics for, 497-498 respiratory control in, 322-325 and intracranial lesions, 152-153 sucking patterns of, 267 perinatal mortality rate, 135 Smith-Hodge pessary, 25 ventilator-dependent, 374-377 Soluble interleukin-2 receptor levels in Procainamide, and supraventricular tachycardia conversion, 302-303 infants with BPD, 498

Space-occupying lesions, in fetal thorax, 223-224

Spleen, fetal

change in size before and after delivery, 363

contraction, cause of, 361 function, 361

measurements at different menstrual ages, 365

ultrasonographic assessment, 361–367 Squamous atypia, 340

"Standard of medical care," 495 Stomach, fetal, and transvaginal sonography, 344–345, 346

Stone clamp, in intrauterine device removal, 141

Streptococcus agalactiae, 338 Streptococcus faecalis, 338

Streptococcus pneumoniae, 338 Streptococcus pyogenes, 338

Sucking patterns of neonates, 265–269 Superior sagittal sinus thrombosis,

noninvasive diagnosis of in neonates, 201–204

Supraventricular tachycardia, in utero conversion, with digoxin and procainamide, 302-303

Surfactants clinical sign

clinical significance, 418 criteria for function, 417 low surface compressibility, 418 rapid adsorption and spreading, 417 therapeutic, surface tension of, 414– 418

Surfactometer, pulsating bubble, 415, 416

Survanta, 414, 415

Survival, neonatal, discrepancy between estimated and actual rates, 511

Syndrome of inappropriate excretion of antidiuretic hormone (SIADH),

Systolic time intervals, as predictor of pregnancy outcome, 348–352

Systolic to diastolic (S/D) ratio normal and abnormal umbilical arteries compared, 250–252

and resistance index (RI), mathematical relationship between, 94-100

Tachyphylaxis, and ritodrine therapy, 458

Termguard tocodynamometer, 489 Term infants, sucking patterns of, 266– 267

Term patients, management of, with premature rupture of membranes and unfavorable cervix, 56-59

Tetralogy of Fallot, 279 Theophylline, 375

as adjuvant to respirator weaning, 376 in treatment of apnea of prematurity, 432 Thermal conditions in neonatal care, assessment of, 239–245 Thermal manikin

heated, for measuring heat loss, 239 premature baby size, use of, 239–245

Thin-layer chromatography (TLC), in measuring phosphatidylglycerol in amniotic fluid, 34–36

Thrombocytopenia, 378 associated with microangiopathic disease, 120

Thrombosis, neonatal, 409-410 Tocolytics

in placental abruption, 170–173 in preventing preterm birth, 394– 396

Tocolytic therapy, applicability of, 494 Total creatine phosphokinase and its isoenzymes, 286–287

Total parenteral nutrition (TPN), 261-262

Transabdominal ultrasonography, in intrauterine device removal, 141 Transient tachypnea of newborn, 329

Transport of ill neonates over long distances, 75–78 mortality related to mode of

transport, 76 transport patterns, 76 Transvaginal sonography (TVS), 38

of fetal digestive system at 5-14 weeks gestation, 344–347 first trimester, efficacy of in detecting

normal fetal development, 209– 213

measurements of fetal heart at 11 to 17 weeks of gestation, 38–41 safety of, 212

Tuberous sclerosis (TS)

prenatal echocardiographic marker of, 111-114

in utero diagnosis of, 111-112 Twin gestations

and congenital parvovirus infection, intrauterine response in, 66-68 nonstress tests of, 460-462

Twin pregnancies and preeclampsia, perinatal outcome of, 258–260

Ultrasonic measurement of fetal abdomen in third trimester, intra- and interobserver variation, 385–387

Ultrasound

in diagnosis of velamentous cord insertion, 123–126

endovaginal, 209 transvaginal. See Transvaginal

sonography (TVS) vaginal, 493 Ultrasound-guided intrauterine device

removal in pregnancy, 139–141 Umbilical artery catheters, 254

placement success rates, 500 Umbilical artery and uteroplacental velocimetry in low birthweight pregnancies, 250–253 Umbilical blood flow, alternative method for measuring, 507-508

Umbilical blood sampling, percutaneous, for nonimmune hydrops caused by fetomaternal hemorrhage, 22

Urinary arginine vasopressin excretion and hyponatremia in sick neonates, 329–332

Uterine contraction frequency climbing stairs and, 491 data analysis, 490

data analysis, 490 effect of alcohol and caffeine on, 491 effects of physical activity and life style on, 489–492

emotional stress and, 491 monitoring, 489–490 posture and, 491 tobacco smoking and, 49

tobacco smoking and, 491 walking and, 491 Uteroplacental Doppler flow velocity waveform indices in normal

pregnancy, 94–100 Uteroplacental insufficiency, 173

Vaginal delivery of vertex-presenting fetuses in prematurity, 162–163 Varicella-zoster virus, transplacental immunity to in extremely low birthweight infants, 236–238

Vasopressors, magnesium sulfate and, 477–480

Velamentous umbilical cord insertion, clinical significance and sonographic diagnosis of, 123– 126

Velocimetry in low birthweight pregnancy, 250–253

Ventilator-dependent preterm infants, successful weaning in, 374–377

Vertical film surface balance, 414, 415–416

Very low birthweight (VLBW) infants analysis of discharge practices, 499 cardiopulmonary resuscitation in, 130–133

central venous catheters in care of, 154-158

early ontogeny of cortisol and cortisol binding globulin, 498 failed antenatal transfer of, 496 and vasopressor unresponsive hypotension, 132

Waveform boundary indicator (WBI), 348-349

Weaning preterm infants from ventilatory assistance, 374–377 Wilms' tumor, 127, 128

Yolk sac, and transvaginal sonography, 345, 346

Zidovudine, during pregnancy, 247– 249 pharmacokinetics studies, 247–248

## **AUTHOR INDEX**

Abramowicz, Jacques S., 353, 460 Achten, Eric, 201 Adzick, N. Scott, 513 Afschrift, Marcel, 201 Aisenbrey, Gary A., 477 Aldag, J., 496 Alvarez, Manuel, 441 Amato, M., 431 Amon, Erol, 17 Anday, E. K., 509 Anderson, Bradley, 214 Anderson, Mark E., 279 Aoki, Showa, 361 Arabin, Birgit, 115, 493 Arbeille, P., 270 Armor, Stephanie A., 338 Aster, R. H., 448 Auld, Peter A. M., 322, 374

Backstrom, Conra. 498 Badura, Richard J., 513 Ballard, Philip L., 512 Banais, Bruce B., 357 Bancalari, Eduardo, 507 Bantham, Kimberly F., 179, 190 Baron, Anna, 43 Battiste, Cynthia E., 302 Batton, Daniel G., 296 Belan, Mary, 265 Benedetti, Thomas J., 170, 289, 464 Ben-Hur, H., 258 Bent, Rebecca C., 499 Berkowitz, Gertrud S., 123 Berkowitz, Richard L., 123, 441 Berseth, C. L., 499 Bey, Mohammed, 425 Black, Diane, 334 Black, Suzanne, 197 Blanco, Jorge D., 80 Blickstein, I., 258 Block, Charlotte, 5, 285 Bolin, Dan, 239 Bolognese, Ronald, 209 Borenstein, R., 258 Bosc, M., 270 Bowes, Watson A., Jr., 120, 142 Boyle, D. W., 507 Brann, Ben S., IV, 508 Brodsky, N., 515 Bronshtein, Moshe, 38, 344 Bronstein, J., 511 Browne, Paul C., 467 Browne, Susan P., 501 Bruns, W. Theodore, 503 Burchfield, David, 513 Burchfield, D. J., 505, 510 Butte, Nancy F., 510 Butzin, Clifford A., 495

Cadnapaphornchai, M., 500 Cahill, Deborah, 289 Carlan, Stephen J., 175 Carlo, W. A., 511 Carlson, Karen, 464 Carmichael, Stephanie, 142 Carpenter, Robert J., Jr., 185 Carroll, Sue, 388 Cassady, G., 496 Catanzarite, Valerian, 477 Cefalo, Robert C., 225 Chan, Gary M., 371 Chard, Tim, 388 Charlton, Valerie, 513 Chattach, Fanny, 319 Chentow, Stephen J., 513 Chervenak, Frank A., 493 Chescheir, Nancy C., 127 Chiu, Grace, 484 Chou, Theresa, 236 Christian, Jeffrey S., 56 Clark, W. Scott, 467 Cline, Byron W., 302 Coberly, Jacqueline S., 293 Cohen, Gary R., 22 Collins, Michael, 80 Colvard, Mary Ann, 289 Combs, C. Andrew, 170 Contag, Stephen A., 378 Contractor, Salim, 409 Conway, Brent, 507 Cooperberg, Peter L., 385 Cordova, Mario, 415 Corwin, Elizabeth, 477 Costakos, D. T., 498 Coustan, Donald R., 378 Covert, Robert, 501, 502, 507 Cowchock, F. S., 448 Cox, Susan M., 233 Crombleholme, William R., 304

Dansereau, Jerome, 385 David, Elmer, 415 Day, Dorine, 28 Degani, Shimon, 348 Delaney-Black, Virginia, 9 deMello, Daphne E., 512 Denne, Scott C., 497, 509, 511 Devoe, Lawrence D., 357 Dhanireddy, R., 507 Dierker, Le Roy, 228 Dildy, Gary A. III, 185 Dische, Renata, 247 Dolanski, Eugene A., 159 Dong, Lawrence, 513 Dottino, Peter, 441 Driscoll, John M., Jr., 514 Duff, Patrick, 56 Dunn, Charles J., 445 Dusick, Anna M., 501

Easa, David, 507
Easterling, Thomas R., 464
Eddleman, Keith A., 123
Edwards, Kathleen, 513
Eibschitz, Izu, 348
Eisenfeld, Leonard, 5, 285
Ellis, Kenneth J., 510
Eshcoli, Ziv, 38
Espeland, Mark A., 94
Evans, John F., 302

Fairey, Ann K., 510 Fairlie, Fiona M., 250 Faix, R. G., 500 Farrell, Philip M., 503 Fawcett, Paul, 498 Fielder, Alistair R., 501 Fleischman, Alan R., 514 Fong, Katherine, 334 Freed, Gary Lee, 420 French, Janice I., 28 Frieden, Faith J., 315 Friedman, Adi, 484

Gant, Norman E., 219 Garcia, Sylvia, 236 Gayed, Atef M., 159 Gervasio, Clarisse T., 506 Ghidini, Alessandro, 441 Giacoia, George P., 111, 130 Giannetta, J., 515 Gibbs, Ronald S., 69 Glezerman, Marek, 319 Goel, R., 509 Goldberg, Ronald N., 507 Goldenberg, R. L., 511 Gold, Ruth, 513 Gomez, Joseph M., 164 Gonen, Ron, 334 Gong, Alice, 513 Gonzales, Irene, 496, 508 Gonzales, Linda W., 512 Gotlibe, Ziva, 484 Govaert, Paul, 201 Granger, Don, 497 Greelish, James P., 275 Gregg, Ronald G., 503 Gregory, Kimberly, 139 Grisso, Jeane Ann, 484 Guise, Jeanne Marie, 56 Gysel, Dirk van, 201

Hachey, W. E., 500 Hagay, Zion, 87 Hallman, Mikko, 11 Hall, R. T., 502, 504, 506 Halsey, Neal A., 293 Hamner, Lewis H., III, 467 Hamosh, M., 509 Hamosh, P., 509 Hankins, Gary D. V., 456 Hannah, Mary, 334 Hansen, Wendy, 120 Hargrove, N., 510 Harman, Chris R., 394 Harstad, Timothy W., 233 Harth, Catherine, 368 Hata, Toshiyuki, 361 Hatjis, Christos G., 94, 275 Haverkamp, Albert, 28 Haywood, J. L., 511 Hedrick, Jane, 22 Heird, William C., 510 Henderson, T. R., 509 Hendricks, Susan K., 289 Herson, Victor C., 5, 285 Hertz, David E., 511 Hesketh, Therese, 402 Heyman, Zahava, 334 Hiatt, Mark, 410 Hibbard, Judith U., 368 Hill, Lyndon M., 223 Hill, Washington C., 338 Hipps, R., 495 Hirata, Yukio, 329 Hobbins, John C., 326 Holbrook, Jodi, 175 Holme2r, Ingvar, 239 Holmes, John H., 484 Holzman, Ian, 247

Honssinger, Nancy, 22 Hoskins, Iffath A., 315, 481 Hsieh, T'sang-T'sang, 61 Hudson, Chris, 388 Hume, A. A., 452 Hulppi, P., 432 Hurt, H., 515

Ilagan, Nestor B., 9 Ingram, Fred H., 102 Isenschmid, M., 431 Ismail, Mahmoud A., 368 Isozaki, Yuka, 329 Ivery, Patricia, 296 Iwamoto, Lynn M., 505

Jacques, Steven L., 499 Jew, Edward, 247 Johnston, Walter L., Jr., 219 Jones, Katherine R., 499 Jones, T. McIntosh, 420 Jordan, Glenn D., 500 Josephson, K., 498 Joshua, Sandra, 513 Joyce, Margie R., 52

Kairalla, Andrew B., 428 Kaminski, Paul E., 340 Kaplan, Paige, 398 Karn, Cheryl A., 497, 509; 511 Kattwinkel, John, 401 Katz, Vern L., 120, 127, 142, 225 Kelly, William K., 146 Kessler, Craig, 146 Khoury, Jane, 205 Kim, Hugh C., 409 Kinoshita, Yo, 299 Kirshon, Brian, 185, 381 Kitao, Manabu, 361 Klein, Janice F., 261 Knoll, Kraig A., 219 Knudson, Richard P., 500 Kobayashi, Yohnosuke, 299, 329 Koenig, W., 497 Kofinas, Alexander D., 94, 275 Kojima, Takatsugu, 329 Konduri, G. Ganesh, 506 Kosmin, Martin, 410 Kousoulis, Andrew, 399 Krause, Peter J., 5, 285 Krauss, Alfred N., 322, 374 Krishnan, V., 496 Kuller, Jeffrey A., 223 Kuriki, Hideki, 299 Kurki, Tapio, 11

LaGuardia, Katherine D., 309 Laifer, Steven A., 223 Landy, Helain J., 146 Lange, Ian R., 394 Lantos, J., 495 Lapinski, Robert H., 123 Lawson, Barry M., 513 Lazebnik, Noam, 228 Learmont, Jonathan, 388 Leduc, Line, 25 Lee, C., 501 Leff, Marilyn, 43 Leiberman, Joseph R., 319 Lemons, J. A., 507 Leonard, Joe C., 445 Leonardson, Gary, 281 Levin, Betty Wolder, 514 Levy, Donald L., 353 Lewinsky, Reuven M., 348 524 Lewis, Barbara S., 322

Lewis, Kathleen W., 514 Liang, Keh-Chyang, 9 Liberto, Lenore, 49 Librizzi, Ronald, 398 Liechty, E. A., 497, 507, 509, 511 Li-Ling, 507 Lin, Chieh-Yu, 61 Little, Bertis B., 219 Liu, Haitang, 326 Liu, Ya Mei, 511 Lloyd, David S., 388 Lockwood, Charles J., 123, 441 Long, Walker, 507, 513 Lorch, Vichien, 279 Lucas, V. W., 505 Lurie, Samuel, 484 Lynn, Cyntha J., 499 Lyon, Deborah S., 340 Lysikiewicz, Andrzej, 228

Maberry, Mark C., 197 McAndrew, John A., 49 McAndrews, William W., 197 McArdle, Colin, 139 McCabe, Alain, 509 McCloud, P. I., 164 McConnel, C., 496 McFarland, J., 448 McGovern, Peter G., 315 McGregor, James A., 28, 43 Mack, Laurence A., 170 McQuillan, Geraldine M., 293 Madden, Jane A., 503 Maderazo, Eufronio, 5, 285 Main, Denise M., 484 Malmud, E., 515 Mancuso, Joseph J., 464 Manning, Frank A., 395 Mann, Leon I., 228 Mari, Giancarlo, 381 Marinkovich, G. Andre, 505 Marino, Elena, 159 Marks, Frances, 481 Martinez, Octavio, 507 Martin, James N., Jr, 102 Mason, Ruble A., 233 Mason, Tom, 254 Mastrogiannis, Dimitrios, 175 Mathew, Oommen P., 265 Matsuzaki, Shuji, 299, 329 Matzkel, Avi, 484 Mautone, Alan J., 414 Meadow, William, 236, 435, 495 Meek, R. S., 448 Mendez, D., 495 Mendez, David B., 236 Menticoglou, Savas M., 394 Metlay, Leon A., 1, 460 Metrick, M., 498 Micik, Sylvia, 497 Miller, Joseph M., Jr., 425 Miller, Kimball A., 214 Miller, Richard C., 127 Miller, T. C., 496 Mimouni, Francis, 205 Miodovnik, Menachem, 205 Mischler, Elaine H., 503 Mitchell, Kathleen, 507 Mitra, Avick G., 142 Mitty, Harold A., 441 Moawad, Atef A., 368 Moise, Kenneth J., Jr., 185 Monif, Gilles R. G., 338 Moodley, Sangithan, 411 Moore, L. G., 512 Morales, Mimi, 84

Moral, Teresa del, 507 Moretti, Michael, 250 Morrison, Ian, 394 Morrison, J. C., 452 Moseley, Merrick J., 501 Moyer-Mileur, Laurie, 371 Muetzel, Steve, 507 Mullett, Martha, 254 Mulligan, John C., 500 Munson, David P., 281

Naides, Stanley J., 66 Nakamura, Kenneth T., 505 Nakayama, Don K., 223 Nawrocki, Mark N., 460 Neff, Timothy W., 302 Neiger, Ran, 194, 378 Nelson, K. G., 511 Neuman, Michael R., 228 Nguyen, Dan L., 445 Niermeyer, S., 512 Niethammer, John G., 279 Nogee, Lawrence M., 512 Nolan, Thomas E., 357 Nyberg, David A., 170

O'Brien, William F., 175 O'Connor, Timothy A., 506 Odom, C. Doug, 102 Oelberg, David G., 499 Ohlsson, Arne, 334 Ohm-Smith, Marilyn J., 304 O'Quin, Michael, 214 Ordorica, Steven A., 315 Orleans, Miriam, 43 Ostrowski, M., 495

Palo, Pertti, 135 Pao, Chia C., 61 Papile, Lu Ann, 508 Paranka, Michael, 506 Parker, Linda, 496, 508 Pastorek, Joseph G., II, 425 Patterson, Wayne R., 456 Peabody, John W., 401 Pearlman, Stephan A., 448, 498 Peco, Nancy E., 460 Penry, Mary, 94 Peppard, Rory J., 497, 509 Perrin, Eugene, 9 Perry, K. G., Jr., 452 Perryman, Douglas, 22 Pezzullo, John, 190 Phillips, Linda, 513 Pichoff, Bruce E., 505 Pinshaw, Alan, 139 Podczaski, Edward S., 340 Polak, Mark J., 254 Pollack, Louis D., 513 Pramanik, Arun K., 507 Preziosi, M. P., 505, 510 Pridjian, Gabriella, 368 Prien, Sam, 80 Prihoda, Thomas J., 69 Proujansky, Roy, 498 Prueitt, John L., 513 Purser, C. A., 452 Pyles, Lee, 254

Quashie, Carlene, 209 Quinn, Thomas C., 293

Rallison, Lisa, 371 Ramin, Susan M., 197 Reece, E. Albert, 87 Repke, John T., 293

Rhodes, Robert S., 102 Riedewald, Susanne, 115 Rippetoe, L. R., 502, 504 Roberts, Andreas, 326 Roberts, W. E., 452 Robinson, Judith, 501 Robinson, Tanya W., 52 Roboz, John, 247 Rogers, Cathy, 498 Romem, Yitzhak, 319 Romero, Roberto, 326 Rose, James C., 275 Rose, Nancy C., 398 Rosenberg, Adam, 507 Rosenberg, Carl, 481 Rosene, Karen, 194 Rosenfeld, Charles R., 219 Rosenn, Barak, 205 Rose, Toby, 334 Ross, Brian, 289 Rostenberghe, Hans van, 201 Rozas, Lynda, 225 Rudinsky, Brian, 435 Rule, Kenneth A., 279 Ryder, Rebecca, 225

Sachs, Benjamin P., 139 Saidi, Iyad S., 499 Salafia, Carolyn M., 179, 190 Sanko, Stephan R., 1 Sarman, Ihsan, 239 Satish, M., 501 Scarpelli, Emile M., 414 Schanier, Richard J., 420, 510 Schick, James B., 5 Schneider, H., 431 Schreiber, Michael D., 501, 502 Schubot, David B., 281 Schulman, Marjorie, 374 Schwartz, P., 501 Scott-Conner, Carol E. H., 102 Scott, Richard T., 456 Scott, Steven, 398 Scott, Susan M., 498 Seguin, John H., 154 Sell, Matthew, 507, 513 Shahrivar, Farrokh, 261 Shah, V., 164 Shah, Yogesh G., 411 Sharf, Mordechai, 348 Sharma, Anil K., 512 Shearer, Vance, 197 Sherer, David M., 1, 49, 162, 353, 460 Sherwood, W. G., 510 Shoham, Ilana, 319 Shyken, Jaye M., 17 Shy, Kirk, 289 Shypailo, Roman, 510 Sibai, Baha M., 17, 250 Siddiqi, Tariq A., 205 Siegler, Efraim, 38

Silberman, Lester, 179, 190 Silberman, Sandra, 322 Siler-Khodr, Theresa, 69 Silides, Demetra, 247 Sillos, Elaine M., 374 Silver, Helayne M., 69 Sims, Maureen E., 152 Sinclair, Mary Beth, 236 Slagle, Terri A., 514 Sloan, David, 388 Smith, Andrew J., 456 Smith, James R., 170 Smith, J. B., 448 Smith, Leon G., Jr., 185 Snell, Laura M., 219 Sokol, G. M., 507 Sood, Sanjiv, 130 Sorosky, Joel I., 340 Spear, Michael L., 498, 509 Spencer, David M., 214 Sperling, Rhoda S., 247 Splaingard, Mark L., 502 Stahl, G. E., 509 Stefano, John L., 84, 498 Stephenson, Stephanie, 22 Stevens, Dennis C., 281 Suguihara, Claide, 507 Swain, Melissa, 94, 275 Swanke, Clare, 254 Sweet, Richard L., 304 Synder, Ellen Sim, 484 Szaniszlo, Katalin, 513

Tagge, Edward P., 223
Tanaka, Yasuhiro, 299
Tebbett, Ian R., 501
Teramo, Kari, I1
Thomas, Janet C., 499
Thompson, Robert C., 507
Thoppil, Cecil K., 265
Thorp, James A., 22
Thorp, John M., Jr., 120, 127
Tomsovic, Jacqueline P., 214
Torgerson, Lorna J., 502
Townsend, Timothy R., 293
Tranquart, F., 270
Trese, Michael, 296
Troy, Carol, 152
Tsao, Francis H.C., 34
Tunell, Ragnar, 239
Twiggs, Gary A., 513

Ugol, Jay H., 28

Vaillant, M. C., 270 Vallette, Julio D., 507 Vanhaesebrouck, Piet, 201 Vasquez, Elias, 496, 508 Vaugh, Vicki, 175 Veber, Mirta, 374 Vidyasager, D., 507 Vine, Darryl G., 385 Vintzileos, Anthony M., 179, 190 Voet, Dirk, 201 Vogel, Cristine A., 179, 190

Walker, Cheryl K., 304 Walker, James J., 250 Wallace, Donald H., 197 Wallace, Helen M., 497 Wall, Robert E., 28 Walsh, William, 506 Walther, Frans, 152, 507 Warsof, Steven L., 353 Wassall, Steve, 509 Wasserstrum, Nathan, 25, 381 Watson, William J., 120, 127 Weaver, L., 496 Weiner, Carl P., 66 Weiner, Stuart, 209 Weingold, Allan B., 146 Weissman, Ariel, 484 Wells, Lorraine, 498, 508 Welsh, Clair, 22 Werner, Sher, 498 Wheeler, R. E., 502, 504 Wheelock, John B., 340 Whitfield, J. M., 510 Wilfond, Benjamin S., 503 Wilkerson, Shirley A., 52 Willham, Bruce E., 500 Williams, William E., 214 Willis, Don, 80 Wilson, Ann L., 281 Winn, Hung N., 326 Wirtschafter, David D., 499 Wiswell, Thomas E., 499, 500 Wolff, J. A., 497 Wong, Donna, 214 Wong, William W., 510 Woods, James R., Jr., 1, 49, 460 Woods, John B., 102

Yang, P., 512
Yao, Ding-Shyan, 61
Yasuhara, Akihiro, 299
Yeast, John D., 22
Yee, Gloria T., 501
Ylikorkala, Olavi, 11
Yoder, Bradley A., 75, 495
Yoffe, Nechemia, 344
Young, Bruce K., 315, 481
Yu, Victor Y. H., 164

Zachman, Richard D., 34 Zhuang, J., 512 Zilliacus, Robert, 11 Zimmer, Etan Z., 38, 344 Zlatnik, Frank J., 494 Zucker, Janet, 507, 513